2015-16 College/University Flu Vaccination Challenge Campaign Update Webinar

Tuesday, November 10, 2015

Courtnay Londo, Stefanie Cole MDHHS



#### OUTLINE

- Sharing vaccine-preventable disease (VPD) stories:
  - Emily Stillman
  - Ashley McCormick
- Young adult vaccine update
  - Questions and answers
- Flu Challenge update
- Alana's Foundation update
- Update from enrolled schools



## SHARING VPD STORIES: EMILY STILLMAN & ASHLEY MCCORMICK

Alicia Stillman and Patti McCormick



## EMILY'S STORY WWW.FOREVEREMILY.ORG

#### Why get a meningitis B vaccine?

Ask the Stillman family of Michigan.



Emily Stillman died from a vaccine-preventable disease because the vaccine was not available to her. It is available to you.

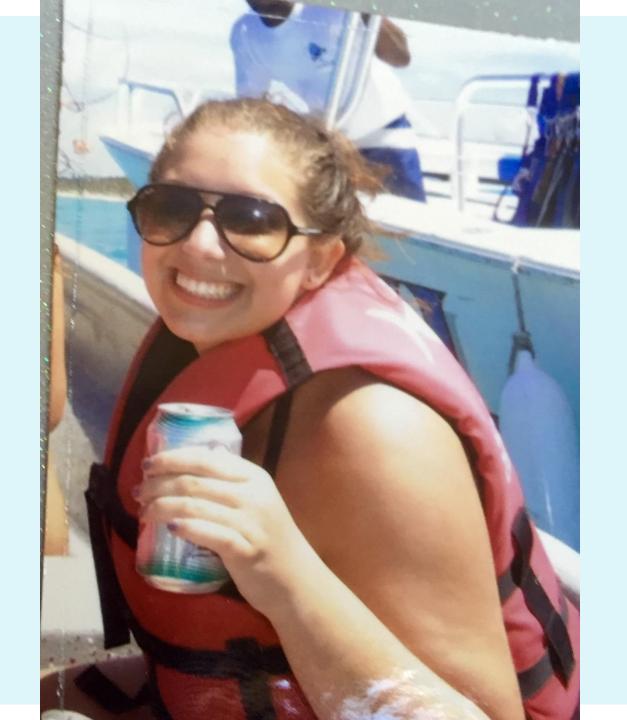
#### Emily's story

Emily Nicole Stillman was a beautiful 19-year-old sophomore at Kalamazoo College in Kalamazoo, Michigan. She had her whole life ahead of her, with dreams of someday performing on Saturday Night Live. On the evening of January 31, 2013, Emily called home with a headache. Her mom thought she might have been coming down with the flu. Emily thought it was from lack of sleep. Thirty-six hours later, Emily lost her life to meningococcal disease serogroup B. Emily had received all of the vaccines recommended for her age group at the time, including the appropriate meningococcal vaccine to protect her against serogroups A, C, W and Y. However, in 2013, the serogroup B vaccine was not yet available in the United States. It is available now, so don't delay protecting your adolescent and young adult with both meningococcal vaccines.

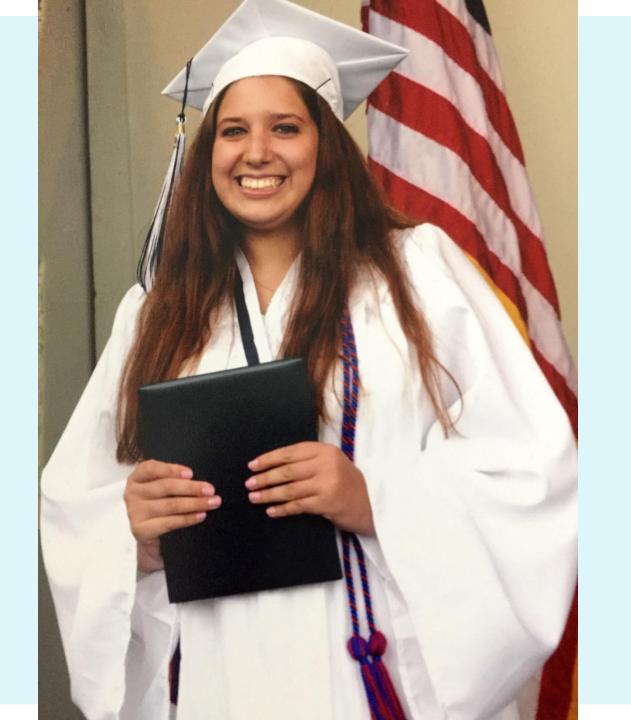


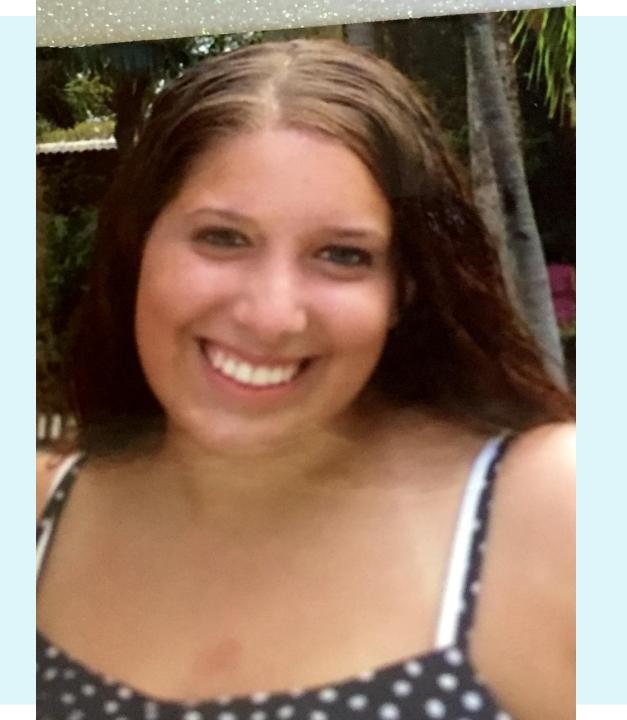


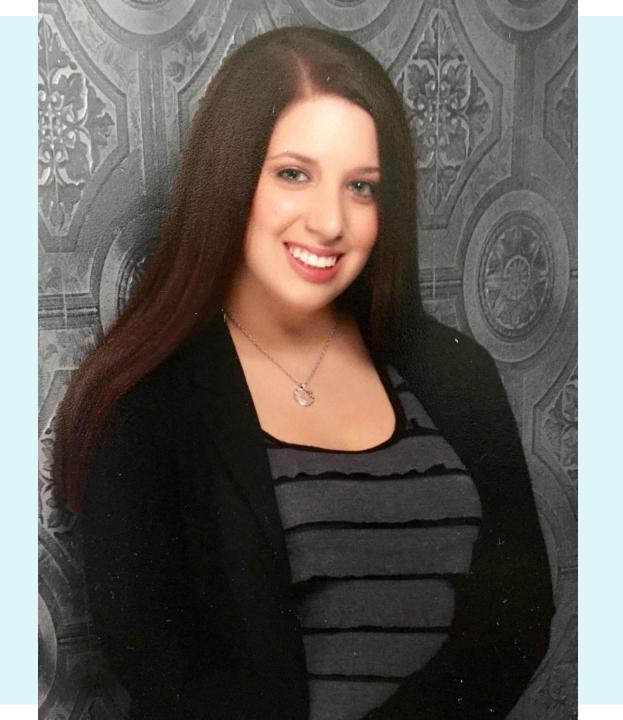
















**Watch Foundation Video** 



HOME

ABOUT

MENINGOCOCCAL

ORGAN DONATION

WHAT CAN I DO

**EVENTS** 

**GLOBAL INITIATIVES** 

**PRESS** 

CONTACT

#### About the Foundation

The Emily Stillman Foundation was created in 2014 to preserve the memory of Emily Nicole Stillman. Emily was a 19 year old sophomore—at Kalamazoo College in Kalamazoo, Michigan. On January 31st, 2013, Emily called home complaining of a headache. Thirty-six hours later, she passed away. We learned that Emily had contracted the B strain of meningococcal disease, the only strain not protected—by vaccines in the United States. Emily was able to donate 6 of her organs, together with bones and tissue, to save the lives of 5 others. The mission of The Emily Stillman Foundation is to raise awareness for meningococcal disease and organ donation.

In addition, by organizing our "Get Vaccinated" programs, we encourage everyone to get protected with both meningococcal vaccines beginning at two months of age, and to maintain that immunity until the end of their life – regardless of the CDC's limited recommendations.

One of goals of The Emily Stillman Foundation is that one day organ/tissue donations for transplantation will be something one must "opt out of", not "sign up for". Through extensive training provided by Gift of Life Michigan, we have come to learn astonishing facts. There is a critical need for organ and tissue donations in the United States. Organ and tissue transplantations have evolved and improved so much, but the need for donations remain at an all-time high. We would like to explain and encourage organ donations from the unique perspective of a donor family. It is important for people to realize how a decision at one's darkest moment can change the lives of so many other people, and ultimately their own as well.



**Emily Stillman** 

Emily was a sophomore at Kalamazoo College in Kalamazoo, Michigan when she tragically contracted Bacterial Meningitis. On February 2nd 2013, after just 36 hours in the hospital, Emily passed away with her family by her side. Emily was able to donate 6 of her organs to 5 recipients, along with tissue and bones to countless others. Read more about Emily.

## ASHLEY'S STORY WWW.THEASHLEYMCCORMICKFLUFOUNDATION.COM

#### Why get a flu vaccine?

Ask the McCormick family of Michigan.



Even healthy, young adults can get the flu, and it can be very serious. This year and every year, get vaccinated against the flu. It could save a life.

#### Ashley's story

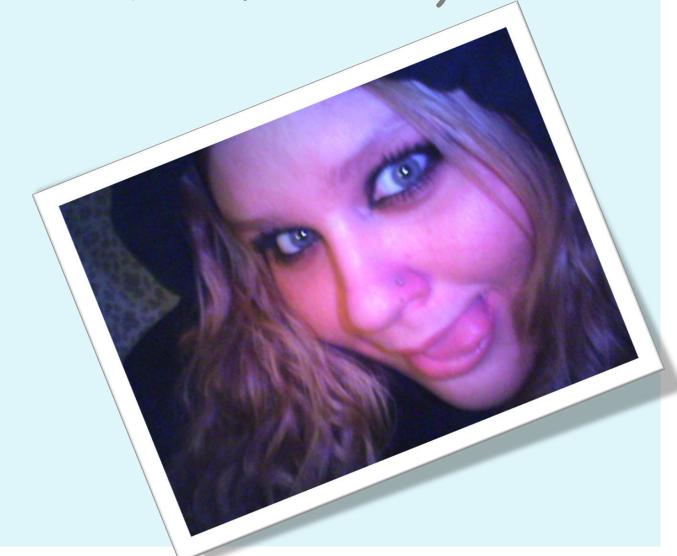
Ashley McCormick was a 23-year-old namy. She came home from work on December 20, 2013, with a runny nose, sore throat, and headache. The next day she had a high fever and went to urgent care. Her positive flu result came too late for Ashley to be treated. She started to feel better, but on Christmas her fever was 103.8 degrees. The next day she went to the emergency room with pneumonia. Ashley had H1N1 flu and quickly became very sick. On December 27, Ashley died from the flu.

Ashley's life may have been saved if she had been vaccinated.

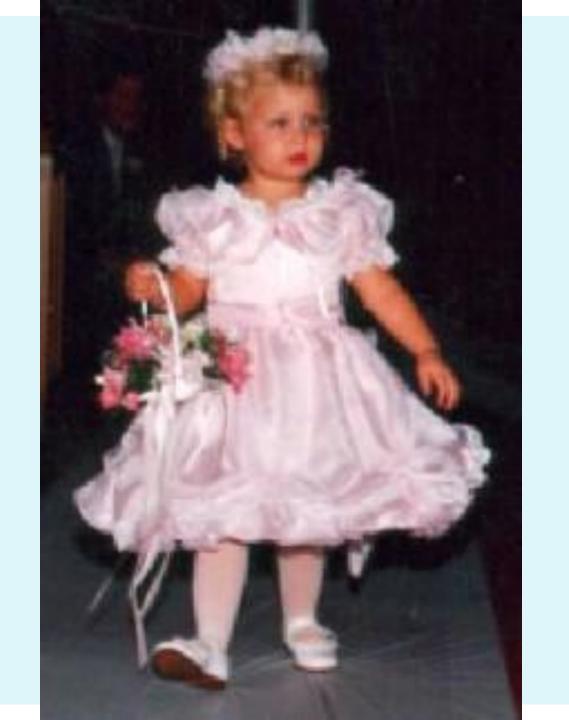




ASHLEY CANDIDA MCCORMICK MAY 1, 1990 - DECEMBER 27, 2013











## ASHLEY MCCORMICK

Heaven



A place of peace A place so pivie A place with love A place without war A place of wonder A place of light A place of truth A place of might A place without pain A place without fears A place of laughter A place without tears A place without hate A place full of love That place waits for all In heaven above

# Rochester Hills mom speaks out about daughter, 23, who died from flu

Patricia McCormick, of Rochester Hills, holds a picture of her daughter Ashley, who died **December 27, 2013 at** the age of 23 from the flu, pictured Wednesday January 15, 2014. McCormick wants to spread awareness of the importance of getting the flu vaccine. (Vaughn **Gurganian-The Oakland** Press)





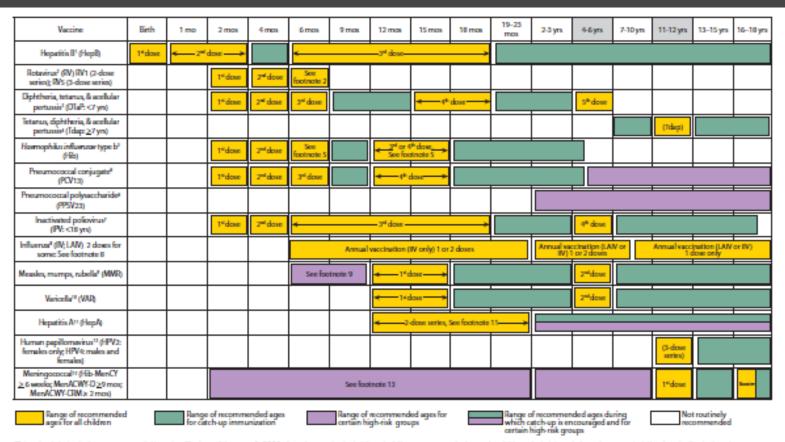
www.theashleymccormickflufoundation.com

# YOUNG ADULT IMMUNIZATION UPDATE: EDUCATE, ADVOCATE, VACCINATE!

Barbara Wolicki, RN, BSN



# CDC 2015 Recommended Schedule Birth through 18yrs

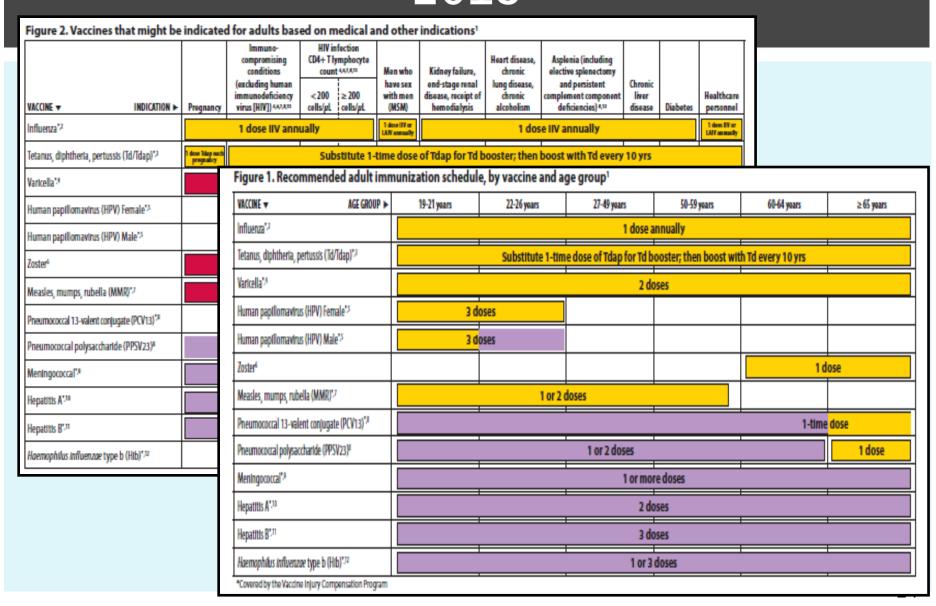


This schedule includes recommendations in effect as of January 1, 2015. Any dose not administered at the recommended age should be administered at a subsequent visit, when indicated and feasible. The use of a combination vaccine generally is preferred over separate injections of its equivalent component vaccines. Vaccination providers should consult the relevant Advisory Committee on Immunization Practices (ACIP) statement for detailed recommendations, available online at http://www.cdc.gov/vaccines/hcp/acip-recs/index.html. Clinically significant adverse events that follow vaccination should be reported to the Vaccine Adverse Event Reporting System (WAERS) online (http://www.cdc.gov/ovaccines/hcp/acip-recs/index.html. Clinically significant adverse events that follow vaccination should be reported to the state or local health department. Additional information, including precautions and contraindications for vaccination, is available from CDC online (http://www.cdc.gov/vaccines/recs/vac-admin/contraindications.html) or by telephone (800-232-4636)].

This schedule is approved by the Advisory Committee on Immunization Practices (http://www.cdc.gov/raccines/acip), the American Academy of Pediatrics (http://www.aap.org), and the American College of Obstetricians and Gynecologists (http://www.acog.org).

NOTE: The above recommendations must be read along with the footnotes of this schedule.

## RECOMMENDED SCHEDULE FOR ADULTS - 2015



# HUMAN PAPILLOMAVIRUS & HPV VACCINE

- Communicable during the acute infection and the persistent infection phase
- About 79 million men and women, most in their late teens & early 20s are infected with HPV
  - About 14 million people become newly infected each year
- Approximately 12,000 women are diagnosed with cervical cancer & about 4,000 women die annually in U.S.

HPV vaccine is a vaccine to prevent cancer

## PROBABLE NUMBER OF HUMAN PAPILLOMAVIRUS (HPV) ATTRIBUTED CANCER CASES

Type of Cancer	Males	Females	Both Sexes
Anus	1,400	2,600	4,000
Cervix	0	10,400	10,400
Oropharynx	7,200	1,800	9,000
Penis	700	0	700
Vagina	0	600	600
Vulva	0	2,200	2,200
Totals	9,300	17,600	26,900

http://www.cdc.gov/cancer/hpv/statistics/cases.htm

## Estimated percentages of cancers attributed to HPV in the U.S.

Cancer	HPV attributable % (95% CI)	HPV 16/18 attributable % (95% CI)	HPV 31/33/45/52/58 attributable % (95% CI)
Cervical	91 (88-92)	66 (63-69)	15 (12-17)
Vaginal	75 (63-84)	55 (43-67)	18 (11-30)
Vulvar	69 (62-75)	49 (41-56)	14 (10-20)
Penile	63 (52-73)	48 (37-59)	9 (4-17)
Anal			
Male	89 (77-95)	79 (66-88)	4 (1-13)
Female	92 (85-96)	80 (70-87)	11 (6-19)
Oropharyngeal			
Male	72 (68-76)	63 (59-68)	4 (3-7)
Female	63 (55-71)	51 (43-59)	9 (6-15)

<sup>&</sup>quot;HPV Vaccine Recommendation Update", CDC Webinar, June 4, 2015

#### Comparing HPV4 and HPV9 Vaccines

Сотра	amg m	<b>V</b> 1	and i	11 1	vacemes	
Vaccine Type/	H	IPV4	l ,		HPV9	

**Gardasil**®

6, 11, 16, 18

**Brand Name** 

Protection against:

(FDA approval)

Ages: Female

Routine age:

Minimum intervals:

Schedule:

Ages: Male

Serogroup

Cervical, vaginal, vulvar, anal cancers; genital warts;

precancerous or dysplastic lesions

Aged 9-26 years

Aged 9-21 years

Aged 22-26 if high risk: immunocompromised or men having sex with men

May give to males aged 22-26 years without a known risk factor

Dose 1 to 2: 4 weeks; Dose 2 to 3: 12 weeks; Dose 1 to 3: 6 months

11-12 years

Given IM at 0, 1-2, 6 months

HPV vaccination is not recommended during pregnancy

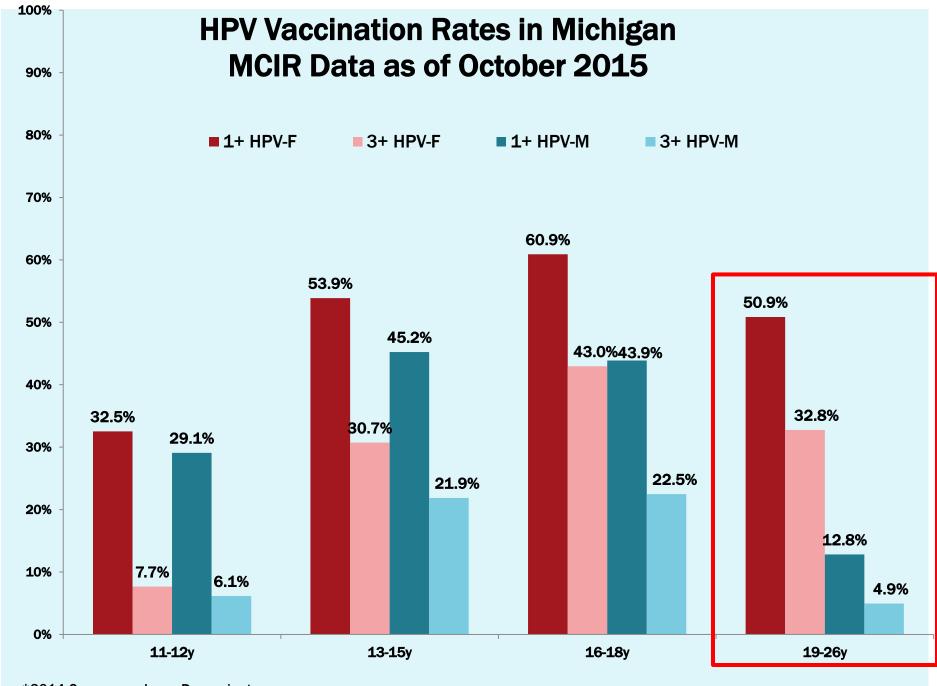
"Use of 9-Valent Human Papillomavirus (HPV) Vaccine: Updated HPV Vaccination

Recommendations of the ACIP", MMWR March 27, 2015 Vol.64/No.11

Gardasil 9<sup>®</sup>

6. 11. 16. 18

31, 33, 45, 52, 58



# TETANUS, DIPHTHERIA, PERTUSSIS (TDAP)

- Routinely given at age 11-12 years
- Catch up all adolescents & adults aged 13 years or older without a previous documented dose of Tdap
- Tdap can be administered regardless of interval since last tetanus or diphtheriatoxoid containing vaccine
  - Interval less than 5 years since last Td booster may cause larger local reaction (i.e., redness, swelling at injection site)

# MENINGOCOCCAL CONJUGATE VACCINES (MCV4)

- Protection against serogroup A, C, W, Y
- 2 vaccine brands available:
  - Menactra (MCV4-D)
    - ages 9 months through 55 years
  - Menveo (MCV4-Crm)
    - ages 2 months through 55 years
- MCV4 brands are interchangeable

#### MCV4 (MENACWY)

- Highest risk ages: 16 through 21 years
- Ensure college freshman age ≤ 21 years living in dorms received a dose at/after age 16 years
- Refer to footnotes for additional risk groups and recommendations including persons:
  - Exposed during an outbreak of serogroup contained within vaccine
  - Traveling to endemic areas or Mecca during the Hajj
  - With asplenia (functional or anatomic) or terminal complement component deficiencies

# MENINGOCOCCAL GROUP B VACCINE

- 2 vaccine brands are available:
  - •Trumemba<sup>™</sup> (MenB-FHbp)
    - 3-dose series (0, 2, 6 months
  - Bexsero® (MenB-4C): 2-dose series
    - at least 1 month apart
- Series must be completed with the <u>same</u> vaccine brand
- May be administered on the same day as MCV4

#### MEN B RECOMMENDATIONS

- Administer to persons aged 10 years and older:
  - With persistent terminal complement component deficiency
  - With asplenia (anatomic or functional)
  - Who are taking the medication eculizumab (Soliris®)
  - Who are exposed during a community outbreak
  - Who are microbiologists exposed to *N. Meningitides*
  - Category A recommendation
- Persons aged 16 through 23 years without high risk conditions may also be vaccinated
  - Series preferably given at ages 16-18 years
  - Category B recommendation

### Measles Resurgence Continues...

Oct 2015: 189 cases U.S

**2014**: 664 cases

**2004: 37 cases** 

- World-wide resurgence
  - Philippines 57,500 + (2014)
  - Common in Europe, Asia, the Pacific & Africa

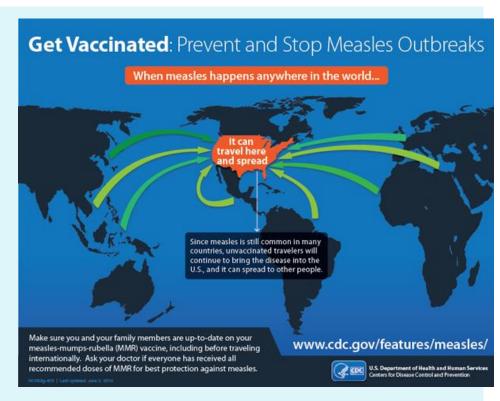


Photo Courtesy of Centers for Disease Control and Prevention

# MEASLES, MUMPS, RUBELLA VACCINE (MMR)

- Ensure college students have 2 doses of MMR vaccine
  - Minimum interval: 4 weeks
- Need for heightened index of suspicion
  - Febrile, rash, cough, coryza, conjunctivitis

# VARICELLA VACCINE (VAR)

- Given SC, 2 doses
  - Persons born in U.S. in 1980 or later & without evidence of immunity or previous vaccination
  - Minimum interval: 4 weeks
- Evidence of immunity includes:
  - Diagnosis of varicella disease
  - Diagnosis of herpes zoster (shingles)
  - A healthcare provider's (nurse, NP, physician, PA):
    - Verification of history of typical varicella disease
- Catch-up persons who received only one dose

# CHALLENGE PROMOTION & MATERIALS

Courtnay Londo, MA



# **ELECTRONIC MATERIALS AVAILABLE**



#### College and University Flu Vaccination Toolkit

#### ARE YOUR STUDENTS PROTECTED?

The Michigan Department of Health and Human Services (MDHHS) and the Centers for Disease Control and Prevention (CDC) encourage college health centers, medical practices, health departments, pharmacists, and other immunization providers to routinely assess the vaccine needs of their young adult patients and make a strong recommendations for vaccination. You are in a unique position to help spread the word about recommended vaccines for college-age students, and MDHHS would like your help. The materials in this toolkit will assist you in promoting the importance of annual flu vaccination to students.

According to data from the Michigan Care Improvement Registry (MCIR), coverage levels among individuals 18-24 years of age are very low — only 10.8% during the 2014-15 flu season.

College/university students are at a unique risk of contracting the flu due to lifestyle factors. Close contact such as dorms, classrooms, public transportation, parties, and sports events make flu especially easy to spread at college. Further, lack of sleep, not eating healthy, and not exercising regularly can weaken the immune system, making these young adults more vulnerable to the flu.

While reaching the college/university student population with important health messages can be difficult to do, it's critical that we protect them from the flu. MDHHS would like to challenge you to ramp up your flu vaccination efforts this season!

Please utilize these materials to drive demand for flu vaccine at your campus today! If you have any questions about this toolkit, contact Courtnay Londo, Adolescent and Adult Immunization Coordinator, at londocs@michigan.gov or Stefanie DeVita, Influenza Epidemiologist, at dewitass@michigan.gov.

#### ARE YOU PART OF THE CHALLENGE?

Join us in a friendly competition this fall. MDHHS and Alana's Foundation are teaming up with colleges and universities to challenge students to get vaccinated against the flu.

By participating in the <a href="mailto:accisation">accisation</a> Challenge, your institution will receive access to educational resources and programs, an award of participation, and a chance to win free registration to state immunization conferences. MDHHS will recognize high-performing schools with awards of excellence and announce the results via press release and social media channels.

Find out more at www.michigan.gov/flu (click on "College and University Flu Vax Challenge").

"Reporting of adult immunization data into MCIR is strongly recommended and is considered an immunization best practice.
Adult immunization coverage levels may be under-represented in MCIR due to lack of reporting.



#### IN THIS KIT:

Strategies to increase rates2-4
Personal story, Niko Yaksich2-4
Key messages5
E-mail templates6-7
News release templates8-9
Social media messages9-10
Websites and resources5, 8
Posters and flyersAttached

#### FLU AND YOU: KNOW YOUR RISKS POSTER

- Include information about your clinics' dates, times, and locations
- Add your organization's contact information and website
- To customize this poster, e-mail Courtnay Londo at londoci@michigan.gov





www.michigan.gov/flu -> College & University Flu Vaccination Challenge

# Campaign **Promo Flyer**

Survey link & QR  $code \rightarrow$ 

# **CAMPUS FLU**

#### WHAT

How does your school stack up?
Let us know when you got your flu vaccine to help your school win the challenge!

#### HOW

### www.surveymonkey.com/r/CFC1516

The survey should take less than 1 minute! Visit the link above or scan the OR code on your smartphone.



#### WHO

Albion College • Alma College • Aquinas Gollege • Galvin Gollege • Eastern Michigan University • Ferris State University • Grand Valley State University • Hope College • Kalamazoo College • Michigan State University • Muskegon Community College • Oakland University • Rochester College • Southwestern Michigan College • University of Michigan • Wayne State University





























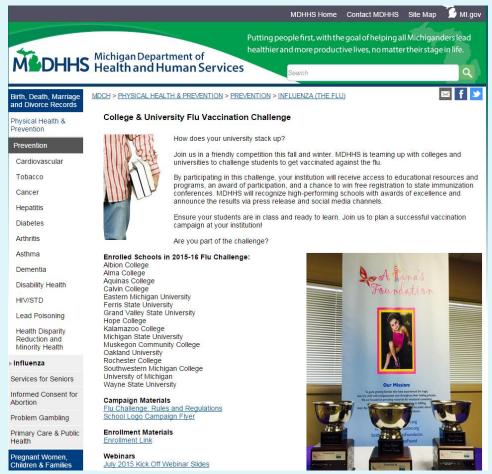








# FLU CHALLENGE WEBSITE





www.michigan.gov/flu -> College & University Flu Vaccination Challenge

# MDHHS SOCIAL MEDIA STATISTICS

Posted	Post Message	Likes	Shares	Comments	Post Total Reach	Post Total Impressions	<b>Engaged Users</b>	<b>Negative Users</b>
					The number of people who saw your Page post. (Unique Users)	The number of impressions of your Page post. (Total Count)	The number of people who clicked anywhere in your posts. (Unique Users)	The number of people who have given negative feedback to your post. (Unique Users)
5/23/15 8:45 AM	MDHHS and Alana's Foundation recently received an Honorable Mention for our College & University Flu Challenge from the National Adult and Influenza Immunization Summit! Congrats to all Michigan universities and colleges that participated and helped increase flu immunization in our college age adults!	2			208	395	2	0
9/10/15 8:00 AM	The second annual College and University Flu Vaccination Challenge is underway for the 2015-16 flu season. This is a friendly competition between schools to see which could get the highest flu vaccination coverage on their campus. The winning schools – one small, medium, and large – will be determined based on the student self-reported vaccinations and each school's undergraduate population. For more information about the Challenge, visit the 2015-16 College Flu Challenge website at www.michigan.gov/flu.	19	2	1	884	1,518	34	0
9/17/15 7:30 AM	#FightFlu with a Flu Vaccine Protect yourself & your loved ones from flu. #GetaFluVax to #FightFlu today! http://thndr.it/1WOAdrX	20	13	1	1,107	1,962	29	1
	Total	39	15	2	1,991	3,480	63	1

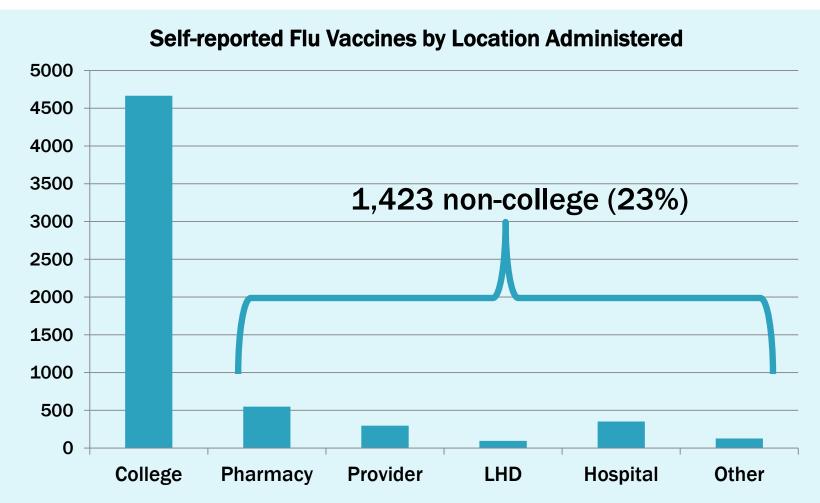


# PROGRESS UPDATE

Stefanie Cole, RN, MPH



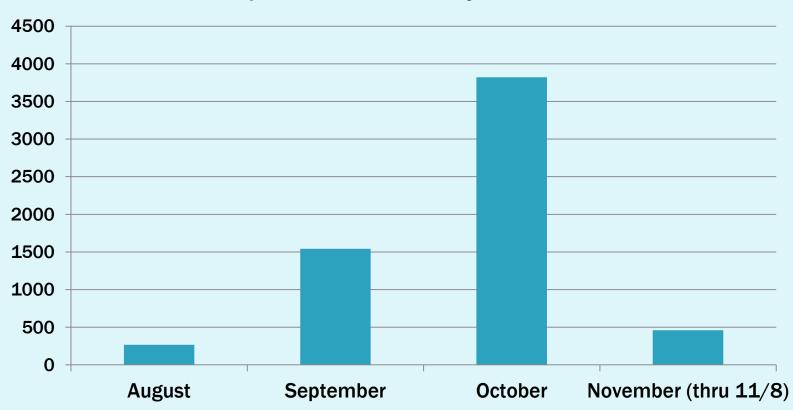
# SELF-REPORTED FLU VACCINATION SURVEY DATA - LOCATION





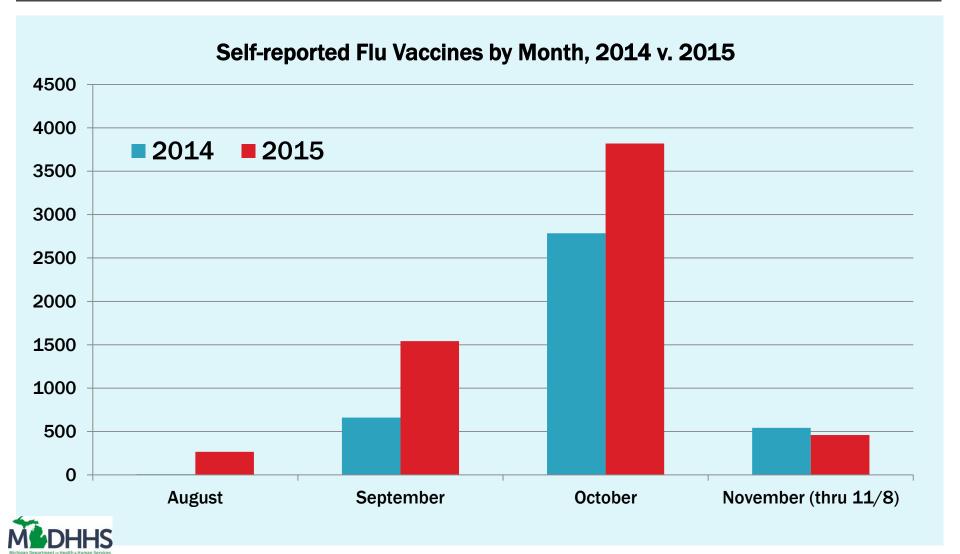
# SELF-REPORTED FLU VACCINATION SURVEY DATA – MONTH

### Self-reported Flu Vaccines by Month, 2015





# SELF-REPORTED FLU VACCINATION SURVEY DATA – MONTH



## MCIR DATA

- College students' addresses in MCIR what do health centers currently do?
- MDHHS would like permanent addresses to be entered into MCIR (including addresses out-of-state or out-of-country)
- Individuals' shot data are retained in MCIR
- Example: Sally's permanent address is in Toledo, OH. She attends the University of Michigan. MCIR data entered by U of M health center (and any other MI providers) will be retained in MCIR, however, Sally's address will remain her permanent residence.



## MDHHS 2015-16 FLU HANDOUTS

### www.michigan.gov/flu

Current Flu Season Vaccination Materials for HCP

Birth, Death, Marriage and Divorce Records

Physical Health &

Cardiovascular

Prevention

Prevention

Tobacco

Cancer

Hepatitis

Diabetes

Arthritis

Asthma

Dementia

HIV/STD

▶Influenza

Abortion

Health

Disability Health

Lead Poisoning

Health Disparity

Reduction and

Minority Health

Services for Seniors

Informed Consent for

Problem Gambling

Pregnant Women,

Children & Families

Behavioral Health &

Developmental

Disability

Primary Care & Public

MDCH > PHYSICAL HEALTH & PREVENTION > PREVENTION > INFLUENZA (THE FLU)

#### Materials for the Current Influenza Season



Flu Vaccine: For Everyone, Every Year

#### Recommendations for the 2015-16 influenza season:

- · Prevention and Control of Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices, United States, 2015-16 Influenza Season
- Recommended composition of influenza virus vaccines for use in the 2015-2016 northern hemisphere influenza season (World Health Organization) (2/26/15)
- What You Should Know for the 2015-16 Influenza Season (CDC)

#### MDHHS RECOMMENDATION FOR INFLUENZA IMMUNIZATION

For optimal protection throughout the flu season, the Michigan Department of Health and Human Services recommends that providers begin to offer influenza vaccination as soon as vaccine becomes available (typically in August) and continue to vaccinate until the vaccine expires (typically June 30). These recommendations align with the Centers for Disease Control and Prevention (CDC). For additional information, refer to:

- CDC Influenza Vaccination: A Summary for Clinicians: http://www.cdc.gov/flu/professionals/vaccination/vax-summary.htm Immunization Action Coalition; Ask the Experts: http://www.immunize.org/askexperts/experts inf.asp
- Influenza Vaccine Updates
  - 2015-16 Pediatric and Adult Flu Webinar Q&A (9/10/15)
  - . A Quick Look at Inactivated Influenza Vaccines (trivalent and quadrivalent): IIV3, IIV4, IIV4 ID, IIV3 High Dose (8/21/15)
  - A Quick Look at Live, Attenuated Influenza Vaccine, Quadrivalent (LAIV4) (8/21/15)
  - Who Needs Two Doses of 2015-16 Seasonal Influenza Vaccine? (8/21/15)
  - 2015-16 Seasonal Influenza Vaccines Presentation Chart (8/20/15)
  - Administering Influenza Vaccines (Intramuscular, Intranasal, and Intradermal) (8/17/15)
  - Influenza Vaccine Screening Algorithm for Persons who Report Egg Allergy (8/11/15) 2015-16 Influenza Vaccine Types with CVX and CPT Codes (8/3/15)

  - 2015-16 VFC Influenza Vaccine (8/3/15)
  - The Importance of Tracking Immunizations in MCIR: A Focus on Pharmacies (7/31/14)
  - Flu and Pregnancy Posters
  - Got Flu Vaccine? Posters
  - Remember to use Michigan versions of Vaccine Information Statements





#### Related Content

- College and University Flu Vaccination Toolkit
- · Schools and Child Care Settings
- Clinical Laboratories
- Businesses and the Workplace
- · Individuals and Families
- Community Vaccinators
- FAB Meeting Minutes
- FAB Agendas
- · Flu Advisory Board
- · Influenza Disease
- Antivirals
- · Influenza Reporting
- · Information for Health Professionals
- Health Care Personnel and Influenza Vaccine
- Strategies to Increase Influenza Vaccination Rates
- Influenza Vaccine Information
- Influenza Vaccine
- · Extend the Flu Vaccination Season



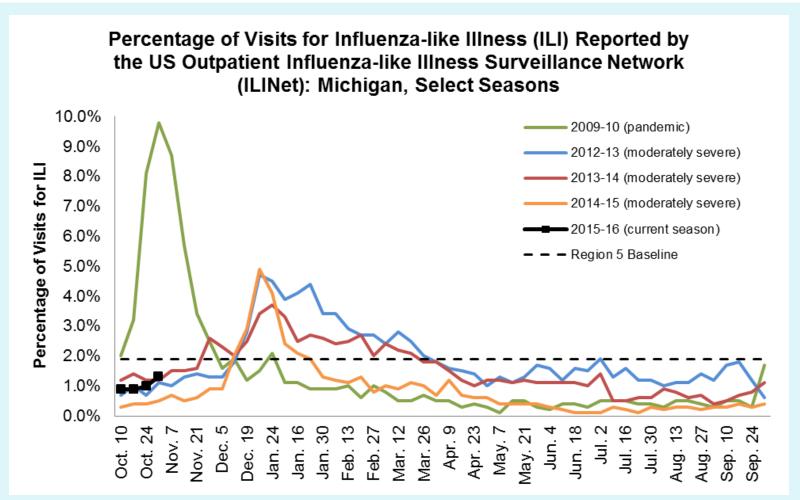


# FLU SURVEILLANCE UPDATE

Stefanie Cole, RN, MPH



# 2015-16 MICHIGAN FLU ACTIVITY



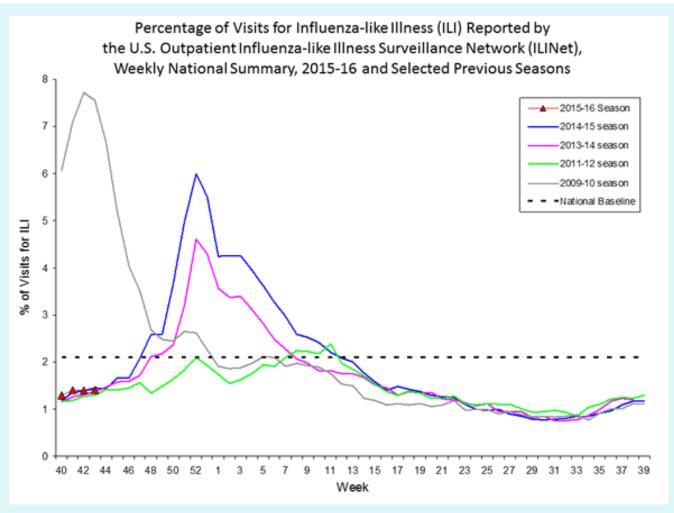


# 2015-16 MICHIGAN FLU ACTIVITY

- A few flu hospitalizations have already been reported (adults)
- State lab has confirmed 7 A/H3N2, 4 2009 A/H1N1 since early October
- 1 respiratory facility outbreak reported (K-12 school)
- 2,035,240 doses flu vaccine have been distributed to MI



# 2015-16 NATIONAL FLU ACTIVITY





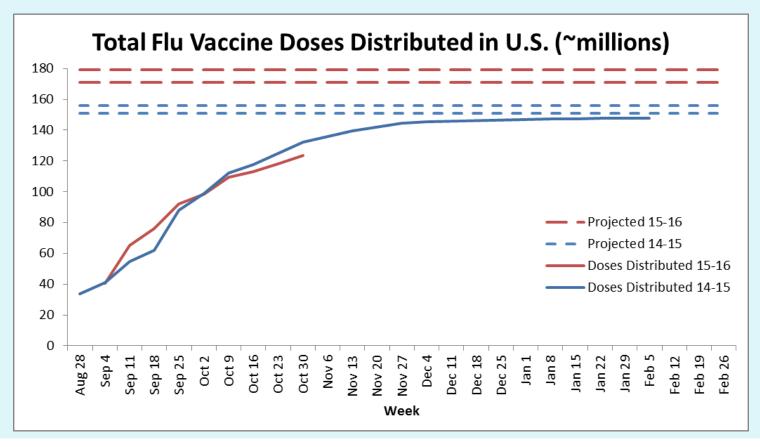
# 2015-16 NATIONAL FLU ACTIVITY

A Weekly Influenza Surveillance Report Prepared by the Influenza Division Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\* Week Ending October 31, 2015- Week 43 District of Columbia ☐ No Report Guam No Activity Sporadic Local Regional Widespread Alaska Hawaii **US Virgin Islands** Puerto Rico



# 2015-16 NATIONAL FLU VACCINE SUPPLY

- Project 171-179 million doses to be manufactured
- 123.7 million have been distributed nationally





# **MOVING FORWARD**

Courtnay Londo, MA



# **2015-16 TIMELINE**

- December National Influenza Vaccination Week
   (December 6-12, 2015), Newsletter
- January Webinar, Continue Flu Challenge activities and momentum
- January-March Innovative champion activities
- February-March Newsletter
- April-May Webinar (April) recognize award winners for overall Challenge & additional awards, present trophies, 2015-16 Flu Challenge Evaluation



#### Influenza Vaccine Availability Tracking System (IVATS) Report

Distributor or Manufacturer		Influenza Vaccine Product in Stock																	
Date updated	Name of distributor or manufacturer	Where to place order (Please note that some distributors and manufacturers may have return policis. Ask at the time of your order.)	bioCSL Inc. Glas			axoSmithKline		Protein Sciences	MedImmun e Vaccines	NVS Influenza Vaccines (formerly Novartis Vaccines)			Sanofi Pasteur						
			Afluria (IIV3)		Fluarix (IIV4)	FluLaval (IIV4)		Flublok (RIV3)	FluMist (LAIV4)			Flucelvax (ccIIV3)	Fluzone (IIV3 & IIV4)	Fluzone (IIV4)			Fluzone Intradermal (IIV4)	Fluzone High-Dose (IIV3)	
			Single-dose syringe (0.5 mL)	Multi-dose vial (5.0 mL)	Single-dose syringe (0.5 mL)	Single-dose syringe (0.5 mL)	Multi-dose vial (5.0 mL)	Single-dose vial (0.5 mL)	Single-dose nasal sprayer	Single-dose syringe (0.5 mL)	Multi-dose vial (5.0 mL)	Single-dose syringe (0.5 mL)	Multi-dose vial (5.0 mL)	Single-dose vial (0.5 mL)	Single-dose syringe (0.5 mL)	Single- dose syringe (0.25 mL)	Single-dose (0.1 mL)	Single-dose syringe (0.5 mL)	
10/29/2015	ABO Pharmaceuticals	877-226-2266 marcus@abopharmaceuticals.com	IIV3	IIV3			IIV4				IIV3	ccIIV3	11V3/11V4	IIV4	IIV4	IIV4	IIV4	IIV3	
9/21/2015	Atlantic Biologicals	800-509-7592, ext 225 vaccine@atlanticbiologicals.com	IIV3	IIV3			IIV4				IIV3	ccIIV3	IIV4	IIV4		IIV4		IIV3	
10/27/2015	BDI Pharma Inc.	800-948-9834 orders@bdipharma.com	IIV3	IIV3						IIV3	IIV3	ccIIV3	IIV4		IIV4			IIV3	
10/26/2015	Dubin Medical, Inc.	800-929-4364 salesstaff@dubinmedical.com	IIV3	IIV3										IIV4					
10/21/2015	FFF Enterprises	800-843-7477 www.myfluvaccine.com	IIV3	IIV3	IIV4		IIV4	RIV3		IIV3	IIV3	ccIIV3	IIV3/IIV4	IIV4	IIV4		IIV4		
10/6/2015	Henry Schein, Inc.	800-772-4346			IIV4			RIV3		IIV3	IIV3	ccIIV3	IIV3/IIV4	IIV4			IIV4		
10/26/2015	McKesson	877-625-4358 fluconnection@mckesson.com	IIV3	IIV3	IIV4	IIV4	IIV4	RIV3		IIV3	IIV3	ccIIV3	IIV3/IIV4	IIV4	IIV4	IIV4	IIV4	IIV3	
10/5/2015	Medico Mart	800-242-6248 orders@medicomart.com		IIV3	IIV4		IIV4				IIV3	ccIIV3	IIV4						
10/28/2015	Nationwide Medical/Surgical	800-997-8846 petersecord@nationwidemedical.net	IIV3	IIV3						IIV3	IIV3	ccIIV3	IIV3/IIV4		IIV4			IIV3	
10/26/2015	NVS Influenza Vaccines	855-358-8966 cs.flu@novartis.com								IIV3	IIV3	ccIIV3							
9/22/2015	Seacoast Medical	800-732-2115 customerservice@seacoastmedical.com	IIV3	IIV3							IIV3		IIV4	IIV4			IIV4	IIV3	
10/6/2015	USA Pharma Inc.	855-914-2000 info@usa-pharma.com	IIV3	IIV3	IIV4	IIV4	IIV4		LAIV4	IIV3	IIV3		IIV3/IIV4	IIV4	IIV4			IIV3	
10/6/2015	Vita-Rx Corporation	800-241-8276 www.vita-rx.com		IIV3							IIV3		IIV4						

Note: All information is provided by distributors and manufacturers on a voluntary basis and is not intended to endorse or promote one distributor's (or manufacturer's) product over another.

IIV3 - trivalent inactivated influenza vaccine; ccIIV3 - cell culture-based trivalent inactivated influenza vaccine; LAIV4 - quadrivalent live attenuated influenza vaccine; RIV3 - trivalent recombinant influenza vaccine

# ALANA'S FOUNDATION UPDATE vww.alanasfoundation.org

JoAnna Yaksich



# UPDATE FROM ENROLLED SCHOOLS



# Questions?

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